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L7	7	(time with diversity) and (space with diversity) and interleaver and delay and quality and (coherence adj time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/16 12:20
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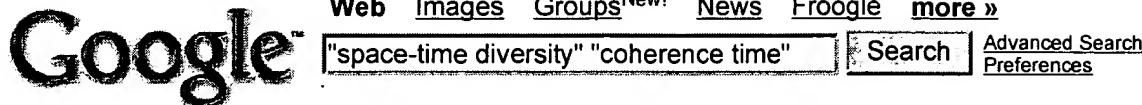
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5 Improved upper bounds on the ML performance of turbo codes for interleaved Rician fading channels, with comparison to iterative decoding
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6 A comparison of inner coding options for adaptive MIMO OFDM systems
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7 Space-time codes performance criteria and design for frequency selective fading channels
Youjian Liu; Fitz, M.P.; Takeshita, O.Y.;
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